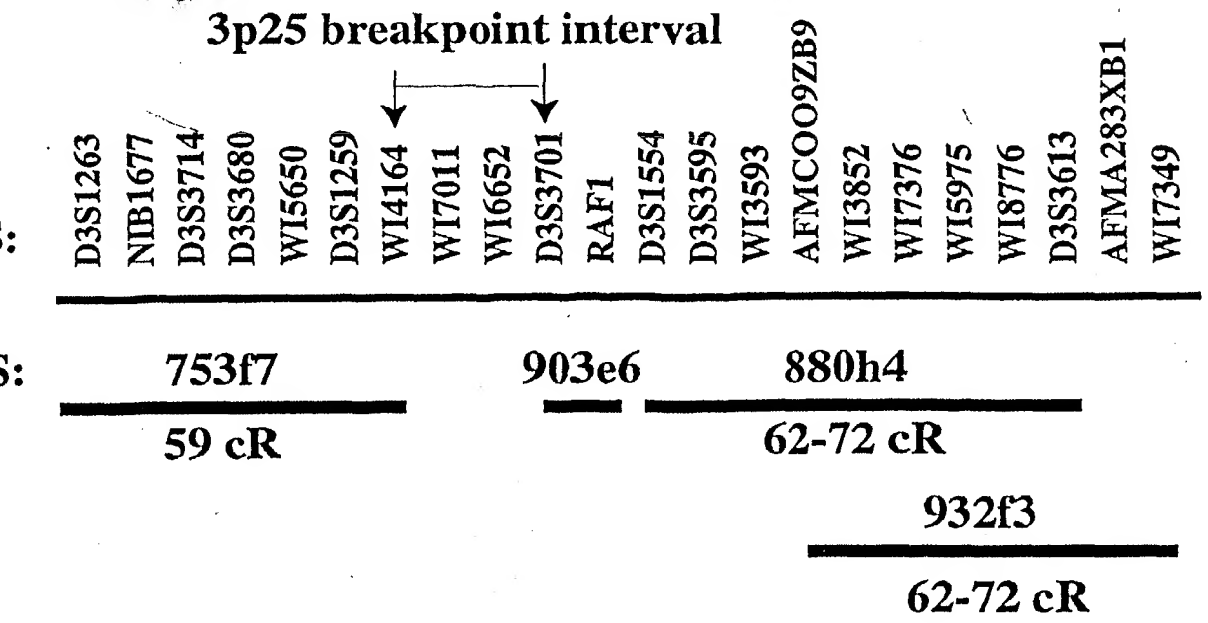
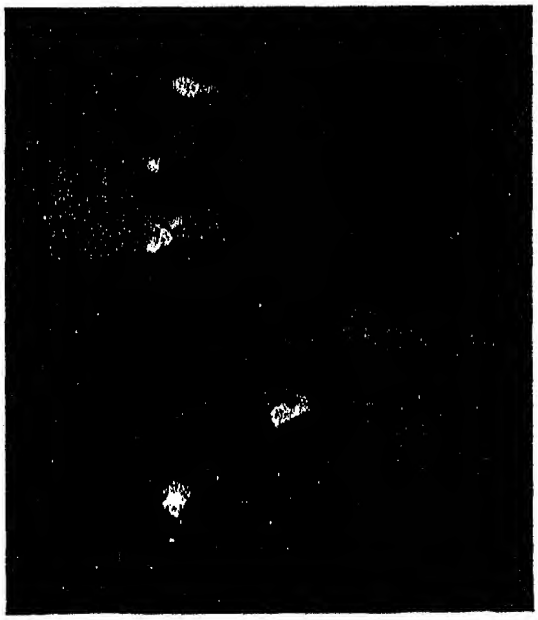
Figure 1

1A.



1B.



1C.

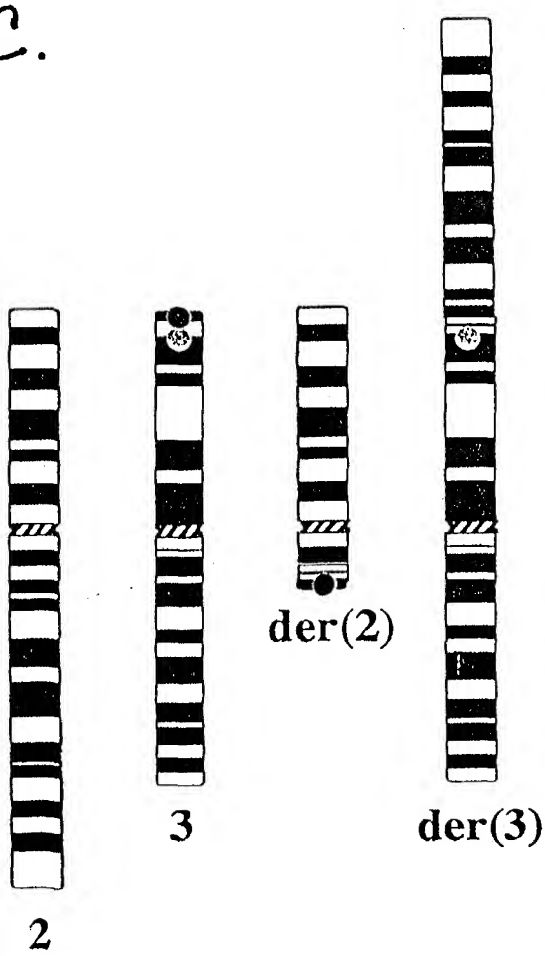
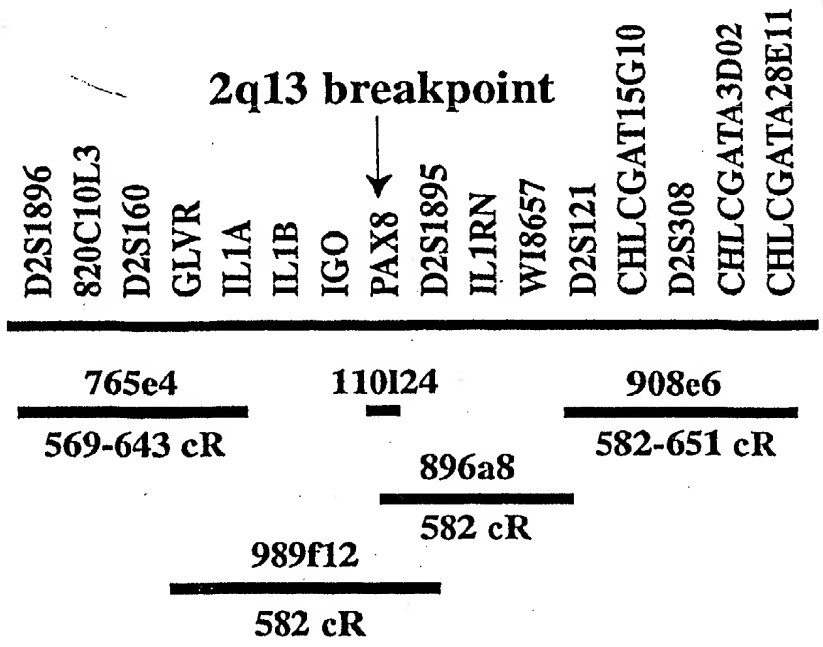
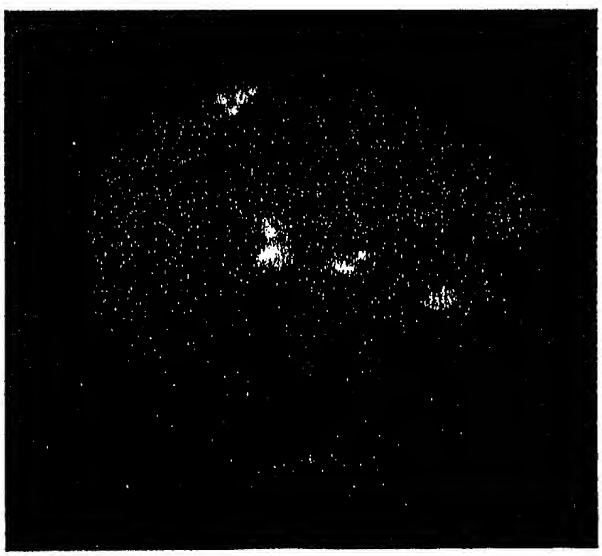


Figure 2

2A.



2B.



2C.

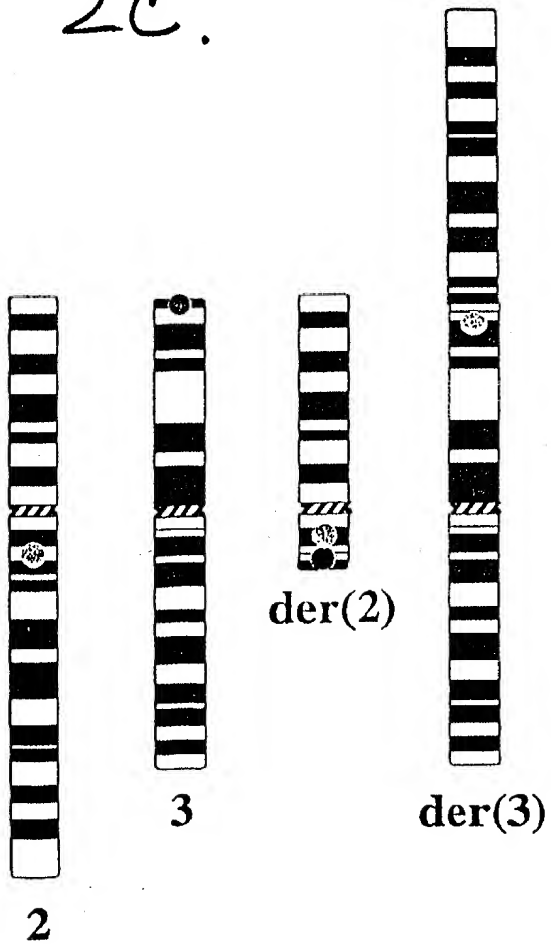
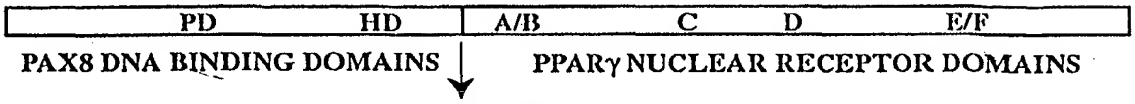


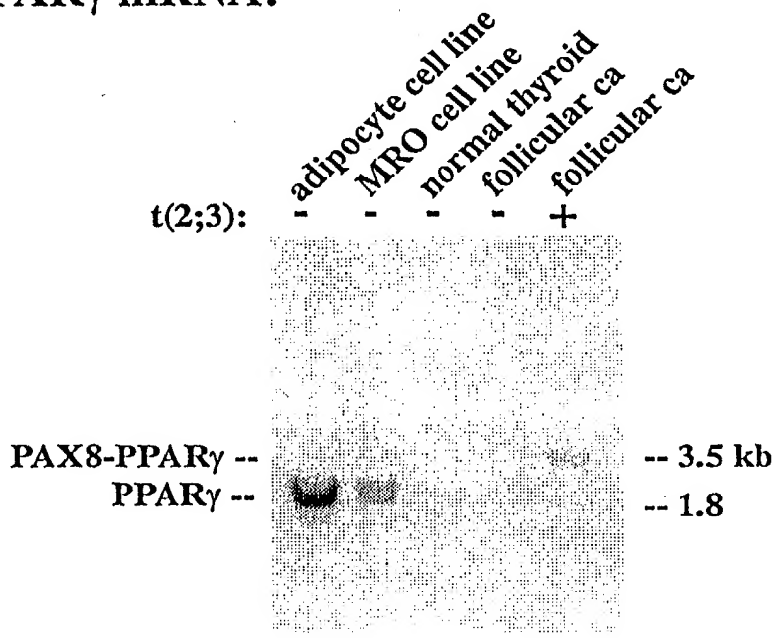
Figure 3

3A. PAX8-PPARγ STRUCTURE:



PAX8e7-PPARγe1: AGA CCT ACC CCG TGG TGG CAG -- AAA TGA CCA TGG TTG ACA CAG
PAX8e8-PPARγe1: CGG GCC AGG CCC TCC TCT CAG -- AAA TGA CCA TGG TTG ACA CAG
PAX8e9-PPARγe1: CCA TCG CAG GCA TGG TGG CAG -- AAA TGA CCA TGG TTG ACA CAG

3 B. PAX8-PPARγ mRNA:



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3 C. PAX8-PPARγ PROTEIN:

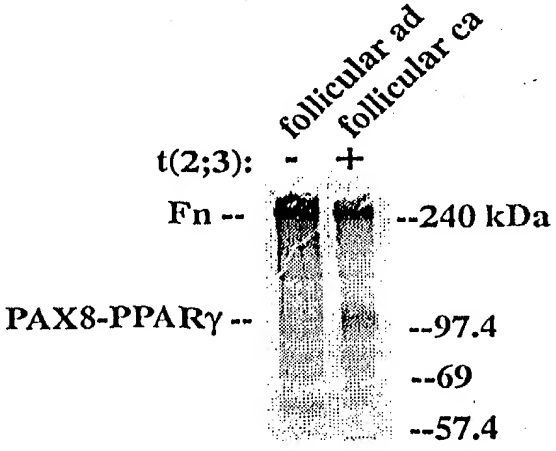
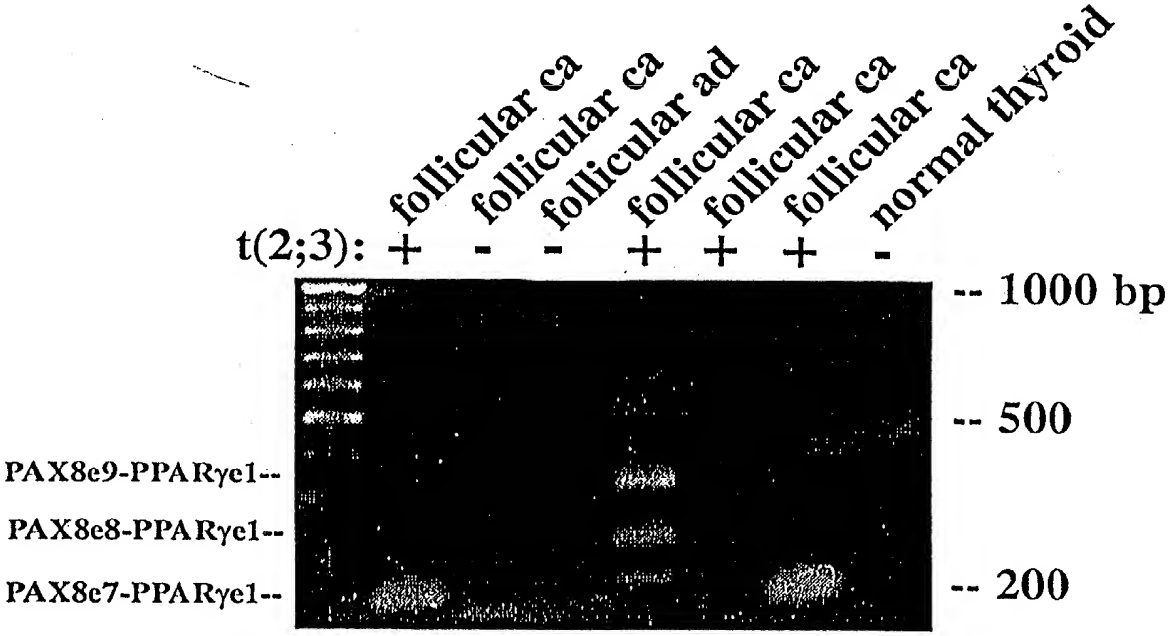
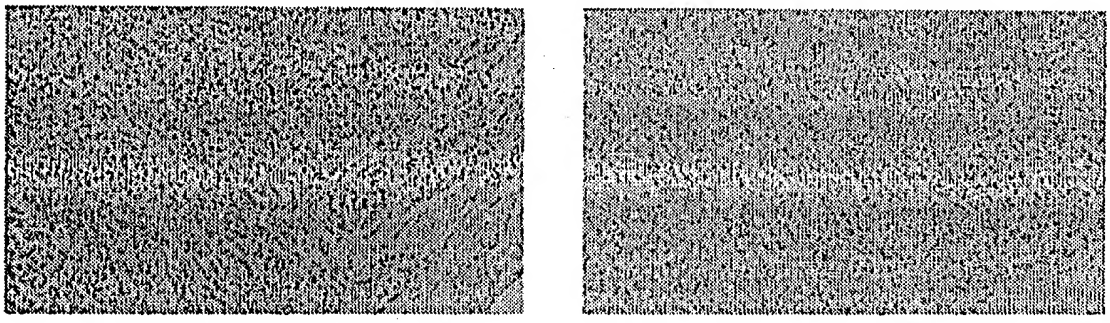


Figure 4

4A. PAX8-PPARγ RTPCR:



4B. PAX8-PPARγ IMMUNOHISTOCHEMISTRY:



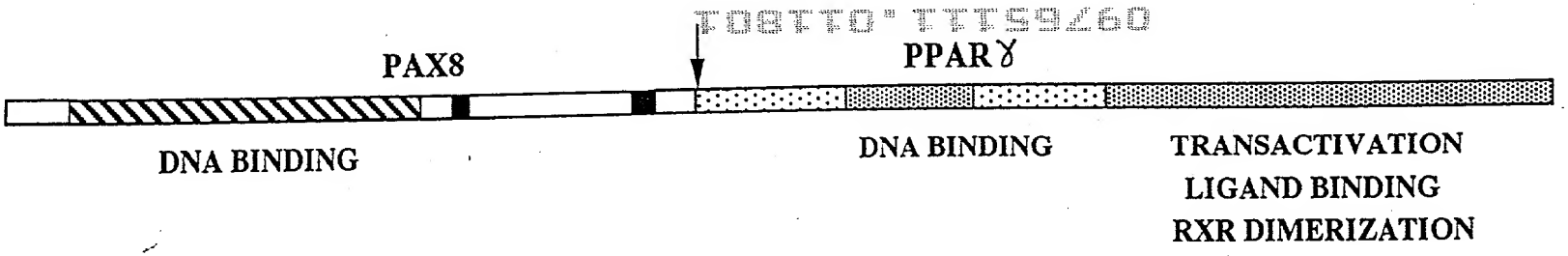
anti-PPARγ

anti-PPARγ
+ PPARγ peptide

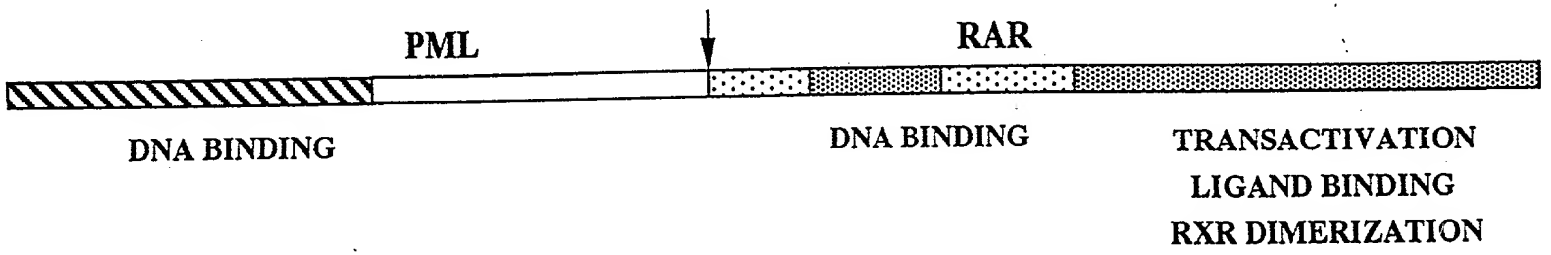
4C.

THYROID NEOPLASM	RT-PCR	IMH
Folllicular Carcinoma	5/8	7/8
Follicular Adenoma	0/20	0/20
Papillary Carcinoma	0/10	0/10
Multi-nodular Hyperplasia	0/10	0/10

THYROID FOLLICULAR CARCINOMA: t(2;3)(q13;p25)---->PAX8-PPARγ



ACUTE PROMYELOCYTIC LEUKEMIA: t(15;17)(q22;q11-21) ----->PML-RARα



ALVEOLAR RHABDOMYOSARCOMA: t(2;13)(q35;q14) ----->PAX3-FKHR

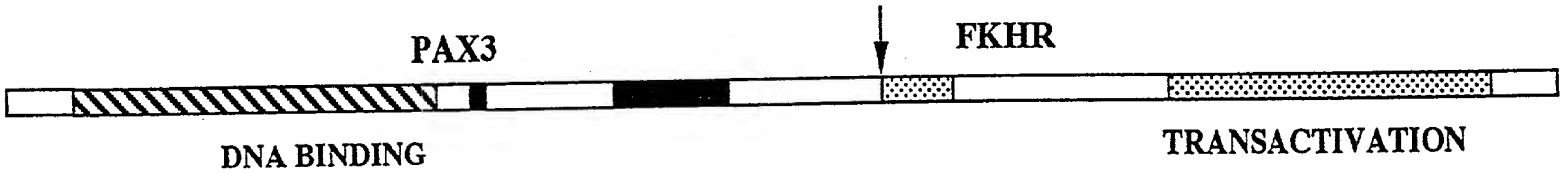
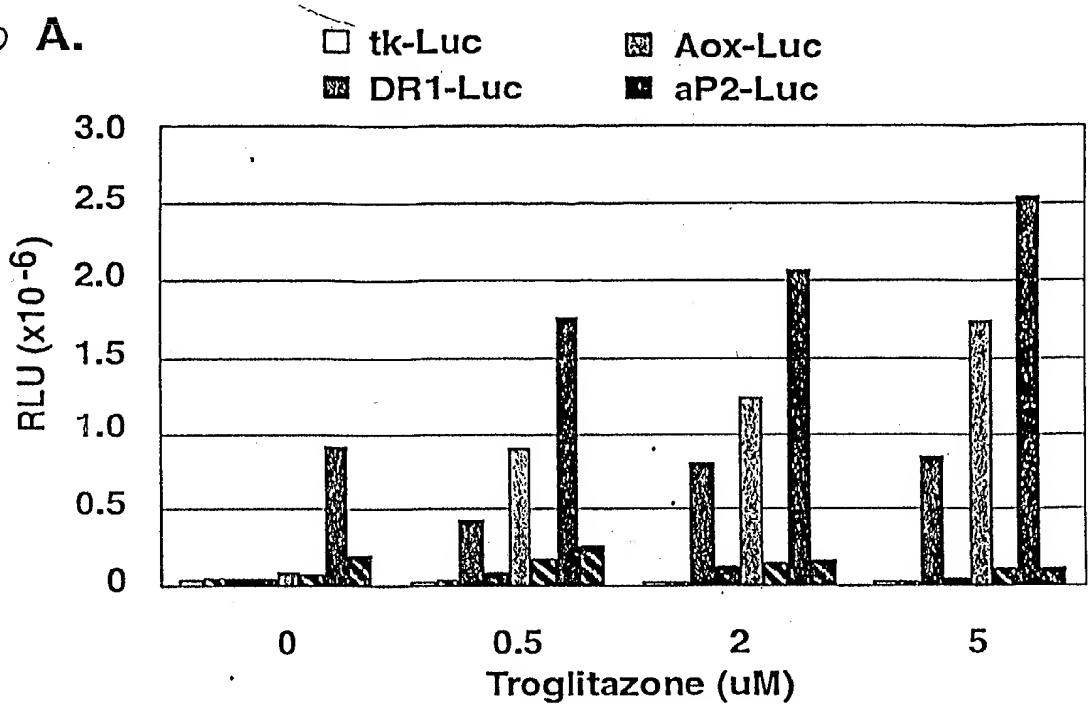


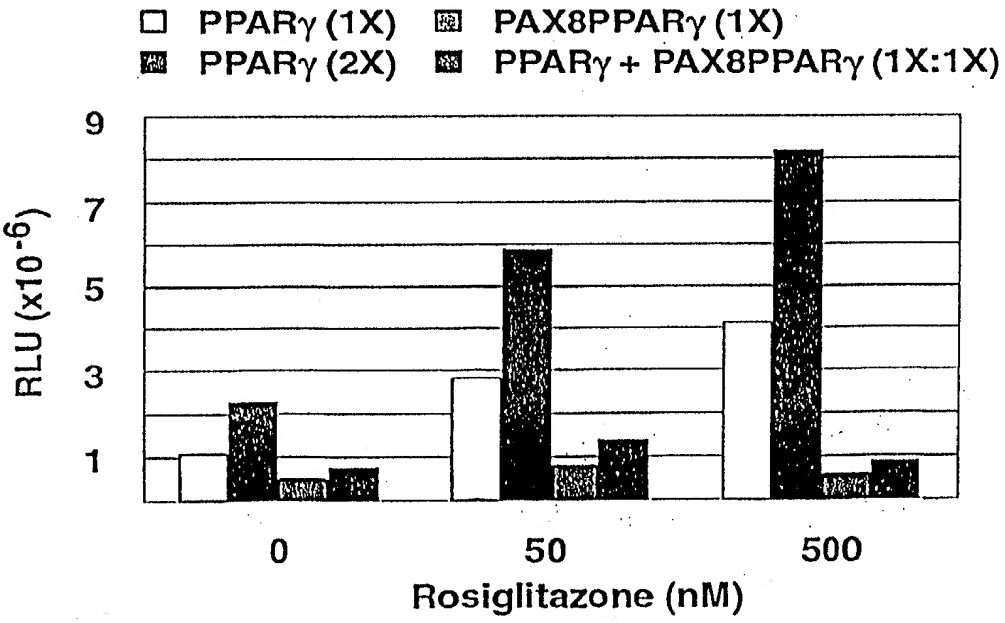
Figure 5

Figure 6

6 A.



6 B.



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